

1 What is claimed is:

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3 1. A boarding ramp for forming a protective passageway for permitting loading
4 of passengers from the ground exit of an airport terminal or vehicle to commuter aircraft
5 having a door sill at a different height from the level of the terminal or vehicle , comprising
6 at least one corridor unit having its rear end abutable to the terminal or vehicle at the exit
7 thereof and at its forward end provided with a gang way selectively inclinable from the level
8 of said terminal or vehicle to the door sill of the aircraft.

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10 2. The boarding ramp according to Claim 1, wherein a plurality of corridor
11 units are arranged end to end in series, each corridor unit being formed of at least two
12 sections having a U-shaped frame provided with a pair of transversely separated legs, a
13 connecting roof support and a flooring brace at the lower end of the vertical legs on which a
14 deck is located, the frame supports and flooring braces of one section being at a level
15 different from those of the other sections allowing said sections to be telescoped one within
16 the other.

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18 3. The boarding ramp according to Claim 2, having a transitional deck plage
19 extending from the end of said corridor unit and pivotally connectable to the next corridor
20 unit in said series to permit passengers to traverse thereover.

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22 4. The boarding ramp according to Claim 3, having roller means allowing said
23 corridor units to be selectively moved over the ground between said ground exit of said
24 terminal or vehicle and the aircraft.

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26 5. The boarding ramp according to Claim 4, wherein each corridor unit is
27 provided with a protective covering sheltering said passengers.

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29 6. The boarding ramp according to Claim 1, wherein said at least one corridor
30 unit comprises an elongated frame open at each end, and said gangway is housed in a
31 corridor unit of increasing height from said at least one corridor unit to encompass the

1 height of the aircraft door, and said gangway is pivotally attached at its rear end to the lower
2 end of said frame at its rear open end and pivoted with means for elevating the gangway at
3 its forward end to the height of the door sill of the aircraft.
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5 7. The boarding ramp according to Claim 6, wherein said gangway forms an
6 inclined floor is covered with decking permitting the passengers to walk thereon.
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8 8. The boarding ramp according to Claim 6, wherein said gangway has a
9 horizontal plate at its forward end which is selectively extendible outward of its front end to
10 form a transition floor from said gangway into said aircraft.
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12 9. The boarding ramp according to Claim 8, including guide means
13 cooperatively located on the frame of said corridor unit and said horizontal plate to maintain
14 said plate horizontal as it is extendible.
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16 10. The boarding ramp according to Claim 6, wherein said means for elevating
17 said gangway, comprising reversible motor means and transmission means operable
18 remotely from said ramp.
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20 11. The boarding ramp according to Claim 10, wherein said transmission means
21 comprise a pair of scissor levers located on each side of said corridor frame, the levers are
22 guides in said frame at the lower ends thereof and movable in said guides by the
23 transmission.
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25 12. The boarding ramp according to Claim 11, wherein said scissors are attached
26 to said horizontal plate and said horizontal plate is pivotally attached to the end of said
27 gangway, whereby the movement of said transmission is directed to both the horizontal
28 plate and said gangway at the same time.